

Injury-related Hospital Discharges

2010*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Uninten- tional	Intentional		Undeter- mined	Other & Legal ¹			
		Self- Inflicted	Assault					
Cut/pierce	567	538	453	<7	<7	1,564	2.6	23.9
Drowning/submersion	48	0	0	0		48	0.1	0.7
Fall	27,308	31	<7	17		27,358	44.6	417.2
Fire/burn	510	28	11	7		556	0.9	8.5
<i>Fire/flare</i>	189	26	<7	7		224	0.4	3.4
<i>Hot object/substance burn</i>	321	<7	9	0		332	0.5	5.1
Firearms	29	10	267	<7	<7	314	0.5	4.8
Machinery	176					176	0.3	2.7
Natural/environmental	1,188	<7		20		1,210	2.0	18.5
<i>Dog bites</i>	179	0		0		179	0.3	2.7
<i>Other bites & stings</i>	561	0		0		561	0.9	8.6
<i>All other</i>	448	<7		20		470	0.8	7.2
Overexertion	835					835	1.4	12.7
Poisoning	2,966	3,495	<7	664	0	7,129	11.6	108.7
Struck by, against	1,253		625		12	1,890	3.1	28.8
Suffocation/hanging	653	48	<7	<7		707	1.2	10.8
Transport Injuries:	4,782	10	<7	<7		4,796	7.8	73.1
<i>Motor vehicle traffic-related</i>	3,699	10	<7	<7		3,713	6.1	56.6
<i>Occupant</i>	2,313					2,313	3.8	35.3
<i>Motorcyclist</i>	495					495	0.8	7.5
<i>Pedal Cyclist</i>	144					144	0.2	2.2
<i>Pedestrian</i>	607					607	1.0	9.3
<i>Other person</i>	22					22	0.0	0.3
<i>Unspecified person</i>	118					118	0.2	1.8
<i>Pedal cyclist, other</i>	459					459	0.7	7.0
<i>Pedestrian, other</i>	59					59	0.1	0.9
<i>Other transport</i>	565	0	0	0	0	565	0.9	8.6
Other specified & classifiable	2,797	11	185	<7	0	2,994	4.9	45.7
<i>Human bites</i>	43	0	47	0	0	90	0.1	1.4
<i>Non-powder guns</i>	9	<7	<7	<7	0	14	0.0	0.2
<i>Other specified & classifiable</i>	2,745	9	136	0	0	2,890	4.7	44.1
Other specified, not classifiable	1,020	150	271	76	30	1,547	2.5	23.6
Unspecified	3,475	15	158	26	<7	3,678	6.0	56.1
Adverse effects ³						3,117	5.1	47.5
Cause and Intent are not provided						3,373	5.5	51.4
TOTALS ⁴	47,607	4,338	1,987	824	49	61,292	100%	934.7
RATE BY INTENT/per 100,000	726.0	66.2	30.3	12.6	0.7			

Source: Massachusetts Hospital Discharge Database, MA Division of Health Care Finance and Policy.

*All data sets from Health Care Finance and Policy are based on a fiscal year. The numbers provided here are based on fiscal year: October 1 - September 30 and will be different than numbers generated through the Department's query based system MassCHIP.

1 Legal Intervention includes injuries resulting from police actions and operations of war.

2 Counts less than seven are suppressed and rates are not calculated. Rates that are based on counts less than twenty may be unstable.

3 Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

4 Totals do not include subcategory counts. Total percentage may be less or more than 100% due to rounding, but is presented here as 100%.

—An injury hospitalization is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Only Massachusetts residents are included in this analysis.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2010 population estimates by the US Census Bureau. Estimated 2010 Massachusetts population is 6,557,254 Rates are per 100,000 residents.

—Data were extracted and compiled by the Injury Surveillance Program, Bureau of Health Information, Statistics, Research & Evaluation, MDPH, January 2012.